Cro Finish Fine

Technical Data Sheet | Product ID 102

Fine-textured decorative finish.

Cement-based, high-quality, ready-mixed colored decorative smooth finish façade render.

Characteristics

Cro Finish Fine

Cement-based, high-quality, resistant to extreme weather, color-stable, decorative façade renders in powder form. Cro Finish Fine requires the addition of water on site.

Ideal for internal and external applications over plastered substrates and fair-faced concrete. Cro Finish Fine is specially formulated to provide a smooth finish when applied manually by trowel. Also, Cro Finish Fine can be applied by a spraying machine or Tyrolean to increase productivity and color uniformity. In this case Cro Finish Fine will give a rough-textured surface.

Cro Finish Fine F is similar to Cro Finish Fine but formulated with micronized fillers that give an extra fine surface finish.

Composition

Cro Finish Fine is manufactured from carefully selected raw materials which include a blend of special high-strength hydraulic binders, selected well-graded fillers, and special additives to enhance workability, water retention, adhesion and color stability against UV exposure and resistance to extreme weather conditions.

Standards

Reference standard for product assessment: DIN EN 998:2003. Verification by CroChem product testing is pending.

Advantages

Natural and easy to use and apply. Only requires the addition of water.

Raw materials are selected according to the highest quality control standards.

Provides a modern decorative finish.

Controlled mixing ratios and a homogeneous blend.

Excellent mixing and workability characteristics.

Easy application provides high productivity.

Surface salt or efflorescence is minimized, compared with conventional decorative renders.

Excellent adhesion and water vapor permeability, allowing the substrate to breathe without affecting the bond.

Excellent resistance to extreme weather conditions.

Technical Data

Property	Value or conditions

DISCLAIMER: While the company guarantees its products against defective materials, our recommendations are based on extensive research as well as practical experience. Results cannot be guaranteed where the actual application work is beyond our control. Customers must carry out their own investigations and test the suitability of our materials for their intended purposes. Kindly note that this data sheet supersedes any previous prints. For any additional information, please consult our technical marketing department.

Property	Value or conditions
Base	Portland cement, graded clean Silica sand and selected additives Plus, latex polymer
Available Colors	Available in a wide range of Standard colors
Powder Density	Approx. 1.6 kg/liter
Water Absorption Coefficient	2.07 kg/(m²·h)
Mix proportion	Approx. 6.5±0.25 liters of water/ 25 kg bag. Approx. 9.2±0.25 liters of water/ 40 kg bag.
Initial Setting Time	Approx. 30 minutes at 25 °C.
Packing	25 kg paper bags 40 kg paper bags
Coverage	2.25 – 2.5 kg/m² (smooth finish with hand trowel). 3.5 – 5 kg/m² (rough texture with spray application). (Coverage rate may vary depending on surface condition).

Typical reference values, pending verification by CroChem testing.

Coverage is approximate and varies with substrate condition, application thickness and site conditions.

Surface Preparation

Cement-based walls and ceilings are the recommended substrates that can be covered with Cro Finish Fine. Plastered substrates should be left to cure for at least 14 days prior to application of Cro Finish Fine. Any problem in the substrate which may lead to water penetration must be rectified. All substrates should be in a sound condition. All substrates should also be clean and free from any loose particles, dust, oil, grease, curing agents, or paint. If the surface is dry and in hot weather, pre-wet prior to the application of Cro Finish Fine without leaving excess water.

Application Procedures

Fix scaffolding independently to allow continuous application.

The whole contents of the bag should be mixed together with water, in one container using a hand drill equipped with a mixing blade or a high-shear stationary mixer. Ask for our range of site mixers.

Small quantities may be mixed manually with a trowel or other suitable hand tools.

Add the required quantity of fresh, cool, clean water in a deep container. Then, add the contents of the 25 kg bag gradually and mix until the mixture is uniform and free of lumps. For best results, use as little water as possible. Keep mixing for 3–5 minutes, to ensure proper mixing and good dispersion of additives.

Cro Finish Fine should be applied immediately to the prepared surface, while the mortar is fresh and workable. In case of delay, do not add additional water. Remix until the mortar is workable again.

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Apply Cro Finish Fine to the prepared surface either by conventional hand-applied technique, Tyrolean or using a spraying machine.

It is recommended to apply a scratch coat of the same mixed Cro Finish Fine prior to application of the final finish. The scratch coat should be left to set for 2 hours and pre-wetted before applying the second coat.

Texture the layer with a plastic or wooden trowel before the surface dries in order to reach the required architectural finish.

To achieve color consistency, apply Cro Finish Fine in panels and complete it around the building.

Important Notes

Do not apply Cro Finish Fine on movement joints or on dynamic cracked plastered walls. Expansion joints should be included as per the substrate design and carried out through Cro Finish Fine.

Using cold water for mixing extends the initial setting time and improves workability.

Do not apply Cro Finish Fine over previously applied paints or gypsum plaster.

It is advisable to seal the substrates with a suitable sealer such as Cro Seal to avoid inconsistent color finish, when applied on uneven or porous surfaces.

It is recommended that Cro Finish Fine should be stopped within 15 cm of the ground floor level and suitable skirting could be used to avoid dampness and discoloration.

Control the mixing water quantity between batches to maintain color uniformity. Do not add extra water when remixing. If the mortar begins to stiffen, remix until it returns to a creamy, workable consistency.

To ensure color uniformity it is advisable to apply Cro Finish Fine in the shade, not in direct sunlight.

Provide enough workers to complete large areas without cold joints or application marks. Apply each area continuously, or divide it using grooved joints.

Never cure with water or any curing compounds, as this may affect the color.

Applied colors may differ slightly from Cro Finish standard color chart due to job-site induced variations, such as application, drying, substrate etc.

As natural raw materials are used for the production of Cro Finish Fine, it is advisable to apply the entire façade at one time to ensure color uniformity as minor variations might be observed sometimes.

Storage

Shelf life is 12 months from the manufacturing date when stored in a dry, covered area.

Health and Safety

While using the product, wear gloves and goggles. Wash skin or eye splashes with clean water. Seek medical advice if irritation persists.

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